

Appl. No. : 09/919,349
Filed : July 31, 2001

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A composition for inhibition of inducible cyclooxygenase-2 (COX-2) activity ~~and having minimal effect on COX-1 activity~~, said composition comprising as a first component an effective amount of a diterpene triepoxide lactone species, and as a second component an effective amount of a sesquiterpene lactone species ~~or derivatives thereof~~, wherein the ratio of diterpene triepoxide lactone species to sesquiterpene lactone species is between 100:1 and 1:100.

2. (Original) The composition of Claim 1 wherein ^{the} first and second components are derived from plants or plant extracts.

3. (Original) The composition of Claim 1 wherein at least one of said first or second component is conjugated with a compound selected from the group consisting of mono- or di- saccharides, amino acids, sulfates, succinate, acetate and glutathione.

4. (Original) The composition of Claim 1, formulated in a pharmaceutically acceptable carrier.

5. (Currently amended) The composition of Claim 1, additionally containing one or more members selected from the group consisting of antioxidants, vitamins, minerals, proteins, fats, carbohydrates, glucosamine, chondroitin ~~chondroitin~~-sulfate and aminosugars.

6. (Currently amended) A composition for inhibition of inducible cyclooxygenase-2 (COX-2) activity ~~and having minimal effect on COX-1 activity~~, said composition comprising as a first component an effective amount of pharmaceutical grade compound selected from the group consisting of triptolide, triptonide, triptiolide and triptchlorolide, and as a second component an effective amount of parthenolide, encelin, leucanthin B, enhydrin, melapomdin A ~~melapedin A~~, tenulin, confertiflorin, burrodin, psilostachyin A, costunolide, strigol, helenalin, 5- α -hydroxy-dehydrocostuslactone, chlorochrymorin, chrysandiol, chrysartemin A, chrysartemin B, cinerenin, curcolone, cynaropicrin, dehydrocostus lactone, dehydroleucodin, dehydrozaluzanin C, deoxylatucin, eremanthine, eupaformonin, eupaformosanin, eupatolide, furanodienone, heterogorgiolide, lactucin, magnolialide, michelenolide, repin, spirafolide, and zaluzanin C.

Appl. No. : 09/919,349
Filed : July 31, 2001

7. (Original) The composition of Claim 6 wherein ^{the} first and second components are derived from plants or plant extracts.

8. (Original) The composition of Claim 6 wherein at least one of said first or second component is conjugated with a compound selected from the group consisting of mono- or di- saccharides, amino acids, sulfates, succinate, acetate and glutathione.

9. (Original) The composition of Claim 6, formulated in a pharmaceutically acceptable carrier.

10. (Original) The composition of Claim 6, additionally containing one or more members selected from the group consisting of antioxidants, vitamins, minerals, proteins, fats, carbohydrates, glucosamine, chondrotin sulfate and aminosugars.

11. (Currently amended) A composition for inhibition of inducible cyclooxygenase-2 (COX-2) activity ~~and having minimal effect on COX-1 activity~~, said composition comprising as a first component an effective amount of pharmaceutical grade triptolide or triptonide, and ~~and~~ as a second component an effective amount of a compound selected from the group consisting of parthenolide, encelin, leucanthin B, enhydrin, melapodin A, tenulin, confertiflorin, burrodin, psilostachyin A, costunolide, strigol and helenalin.

12. (Original) The composition of Claim 11 wherein ^{the} first and second components are derived from plants or plant extracts.

13. (Original) The composition of Claim 11 wherein at least one of said first or second component is conjugated with a compound selected from the group consisting of mono- or di- saccharides, amino acids, sulfates, succinate, acetate and glutathione.

14. (Original) The composition of Claim 11, formulated in a pharmaceutically acceptable carrier.

15. (Original) The composition of Claim 11, additionally containing one or more members selected from the group consisting of antioxidants, vitamins, minerals, proteins, fats, carbohydrates, glucosamine, chondrotin sulfate and aminosugars.

16. (Currently amended) A composition for inhibition of inducible cyclooxygenase-2 (COX-2) activity ~~and having minimal effect on COX-1 activity~~, said composition comprising as

Appl. No. : 09/919,349
Filed : July 31, 2001

a first component an effective amount of pharmaceutical grade triptolide and and as a second component an effective amount of a compound selected from the group consisting of parthenolide, encelin, leucanthin B, enhydrin, ^{melapondin} melapodin A.

17. (Original) The composition of Claim 16 wherein first and second components are derived from plants or plant extracts.

18. (Original) The composition of Claim 16 wherein at least one of said first or second component is conjugated with a compound selected from the group consisting of mono- or di- saccharides, amino acids, sulfates, succinate, acetate and glutathione.

19. (Original) The composition of Claim 16, formulated in a pharmaceutically acceptable carrier.

20. (Original) The composition of Claim 16, additionally containing one or more members selected from the group consisting of antioxidants, vitamins, minerals, proteins, fats, carbohydrates, glucosamine, chondrotin sulfate and aminosugars.

21. (Currently amended) A composition for inhibition of inducible cyclooxygenase-2 (COX-2) activity ~~and having minimal effect on COX-1 activity~~, said composition comprising as a first component an effective amount of pharmaceutical grade triptolide and and as a second component an effective amount of pharmaceutical grade parthenolide.

22. (Original) The composition of Claim 21 wherein ^{the} first and second components are derived from plants or plant extracts.

23. (Original) The composition of Claim 21 wherein at least one of said first or second component is conjugated with a compound selected from the group consisting of mono- or di- saccharides, amino acids, sulfates, succinate, acetate and glutathione.

24. (Original) The composition of Claim 21, formulated in a pharmaceutically acceptable carrier.

25. (Original) The composition of Claim 21, additionally containing one or more members selected from the group consisting of antioxidants, vitamins, minerals, proteins, fats, carbohydrates, glucosamine, chondrotin sulfate and aminosugars.

Claims 26-42 (Withdrawn)